



pD17-cJ-dCH2.H1

10	GAGGATCGG	GAGATCTGCT	AGGTGACCTG	AGGCGCGCGG	GCTTCGATTA	GCCAGAGTAA	CCTTTTTTTT	TAATTTTATT	90	TTATTTTATT
	CTGCTAGCC	CTCTAGACG	TCCACTGGAC	TCCGCGCGCG	CGAGCTTAT	CGGTCTCAT	GGAAAAAA	ATTAAAAA	80	ANTAAAAA
100	TTTGAATGG	AGTTTGGCG	CGATCTCCG	ATCCCTTATG	GTCGACTCTC	AGTACAATCT	GCTCTGATGC	CGCATAGTTA	170	ACCCAGTATC
	AAACTTACC	TCAAACCGG	GCTAGAGGCG	TAGGGGATAC	CAGCTGAGAG	TCATGTTAGA	CGAAGCTACG	CGGTATCAAT	160	TCCGTCATAG
190	TGCTCCCTGC	TTGTGTGTTG	GAGGTGCGTG	AGTAGTGCGG	GAGCAAAAT	TAAAGCTACAA	CAAGGCAAGG	CTTGACCGAC	250	AATTGCATGA
	ACGAGGACG	AACACACAC	CTCCAGCGAC	TCATCAGCG	CTCGTTTTTA	ATTCGATGTT	GTTCGGTTCC	GAACTGGCTG	260	TTAACGTACT
280	AGAATCTGCT	TAGGGTTAGG	CGTTTTCGCG	TGCTTCGCGA	TGTACGGGCG	AGATATACGC	GTTGACATTG	ATTATTGACT	340	AGTTATTAAAT
	TCCTTAGACGA	ATCCCAATCC	GCAAAACGCG	ACGAAGCGCT	ACATGCCCGG	TCATATATCG	CNACTGTAAAC	TAATNACTGA	350	TCAATAATTA
370	AGTAATCAAT	TACGGGGTCA	TTAGTTTCATA	GGCCATATAT	GGAGTTCGCG	GTTACATAAC	TTACGGTAATA	TGGCCCGCCT	430	GGGTGACCGC
	TCATTAGTTA	ATGCCCCAGT	AATCAAGTAT	CGGGTATATA	CCTCAAGGCG	CAATGATATG	AAATGCCATT	ACCGGCGCGA	440	CCGACTGGCG
460	CCAACGACCC	CCGCCCATTG	ACGTCAATTA	TGACGTATGT	TCCCATFAGTA	ACGCCAATAG	GGACTTTCCA	TTGACGTCAA	520	TGGTGGACT
	GGTTGCTGG	GGCGGGTAAC	TGCAGTTATT	ACTGATATCA	AGGGTATCAT	TGCGGTTATC	CCTGNAAGGT	AACTGCAGTT	530	ACCCACCTGA
550	ATTACGGTA	NACTGCCCC	TTGGCAGTAC	ATCAAGTATA	TATATGCGA	AGTACGCCCG	CTATTGACGT	CAANTGACGGT	620	AAATGGCCCG
	TAAATGCCAT	TTGACGGGTG	AACCGTCAATG	TAGTTACAT	AGTATACCGT	TCATGCGGGG	GATAACTGCA	GTTACTGCCA	710	TTTACCCGGC
640	CCGTGGCATT	TGCCCAGTAC	ATGACCTTAT	GGGACTTTCC	TACTTGGCAG	TACATCTACG	TATTAGTCAAT	CGCTATTACC	700	ATGGTGTATC
	GGACCGTAAT	ACGGGTCAATG	TACTGGAATA	CCCTGAAAG	ATGAACCGTC	ATGTAGATGC	ATAATCAGTA	GGCATANTGG	710	TACCACCTACG
730	GGTTTGGCA	GTACATCAAT	GGGCGTGGAT	AGCGGTTTGA	CTCACGGGGA	TTTCCAAGTC	TCCACCCCAT	TGACGTCAAT	800	GGGAGTTTGT
	CCAAAACCGT	CATGTAGTTA	CCCGCACCTA	TCCGCCAACT	GAGTGCCCT	AAAGGTTTCA	AGGTGGGTA	ACTGCAGTTA	810	CCCTCAACAA
820	TTTGGCACCA	AAATCAACGG	GACTTTCCA	AAATGCTTAA	CAACTCCGCG	CCATGACGC	AAATGGCGG	TAGGCTGTA	890	CGGTGGGAGG
	AAACCGTGGT	TTTAGTTGCC	CTGAAAGGTT	TTACAGCAAT	GTTGAGGCGG	GGTAACTGCG	TTTACCCCGC	ATCCGCACAT	900	GCCACCTTCC

Figure 14A

(SEQ ID NO.: 10 - Primary Sequence)

(SEQ ID NO.: 28 - Complement)

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910	920	930	940	950	960	970	980	990
TCATATAAG	CAGAGCTCTC	TGGCTAACTA	GAGAACCCAC	TGCTTACTGG	CTTATCGAAA	TTAATACGAC	TCACATATAG	GAGACCCNAG
AGATATATTC	GTCTCGAGAG	ACCGATATGAT	CTCTTGGGTG	ACGAATGACC	GAATAGCTTT	AATATATGCTG	AGTGATATCC	CTCTGGGTTC
1000	1010	1020	1030	1040	1050	1060	1070	1080
CTTGTACCA	ATTAAATG	ATATCTCTT	AGGTCTCGAG	TCTCTAGATA	ACCGTCAAT	CGATTGGAAT	TCTTGGGGCC	GCTTGTCTAGC
GAACCATGGT	TAAATTTAAC	TATAGAGGAA	TGAGAGCTC	AGAGATCTAT	TGGCCAGTTA	GCTAACCTTA	AGAACGCCGG	CGAACGATCG
1090	1100	1110	1120	1130	1140	1150	1160	1170
CACCATGGAG	TTGTGGTTAA	GCTTGGTCTT	TGCTTGTCTT	TGTTTAAAAA	GGTGTCCAGT	GTGAAGTGAA	TCTGGTGGAG	TCTGGGGGAG
GTGTACCTC	AACACCAATT	CGAACCCAGG	AGGAACAGGA	ACAAATTTT	CCACAGGTCA	CACCTCACTT	AGACCACCTC	AGACCCCTC
1180	1190	1200	1210	1220	1230	1240	1250	1260
GCTTAGTGCA	GCCTGGAGGG	TCCCTGAAAG	TCTCTGTGT	AACCTCTGGA	TTCACCTTCA	GTGACTATTA	CATGTATTGG	GTTCGCCAGA
CGAATCACGT	CGGACCTCCC	AGGGACITTC	AGAGGACACA	TGAGAGACCT	NAGTGAAAGT	CACGTATTAAT	GTACATAACC	CAAGCGGTCT
1270	1280	1290	1300	1310	1320	1330	1340	1350
CTCCAGAGAA	GAGGCTGGAG	TGGGTGCGAT	ACATTAGTCA	AGGTGGTGTAT	ATAACCGACT	ATCCAGACAC	TGTAAGGGT	CGATTACCCA
GAGGTCTCTT	CTCCGACCTC	ACCCAGCGTA	TGTAATCAGT	TCCACCACTA	TATTGGCTGA	TAGGTCTGTG	ACATTTCCCA	GCTAAGTGGT
1360	1370	1380	1390	1400	1410	1420	1430	1440
TCTCCAGAGA	CAATGCCAAG	AACACCTGT	ACTTGCAT	GAGCCGTCTG	NAGTCTGAGG	ACACAGCCAT	GTATTACTGT	GCAAGAGGCC
AGAGGTCTCT	GTTACGGTTC	TTGTGGGACA	TGGACGTTTA	CTCCGCCAGC	TTACAGACTCC	TGTGTCCGTA	CATAATGACA	CGTTCTCCGG
1450	1460	1470	1480	1490	1500	1510	1520	1530
TGGACGACGG	GGCCTGGTTT	GCTTACTGGG	GCCAAAGGAG	TCTGTGTACG	GTCTCTGTAG	CTAGCACCAA	GGGCCCATCG	GTCTTCCCCC
ACCTGCTGCC	CCGACCCAAA	CGAATGACCC	CGGTTCCTTG	AGACCAGTGC	CAGAGACATC	GATCGTGGTT	CCCCGGTAGC	CAGNAGGGGG
1540	1550	1560	1570	1580	1590	1600	1610	1620
TGGCACCCCTC	CTCCAAGAGC	ACCTCTGGGG	GCACAGCGGC	CCTGGGCTGC	CTGGTCAAGG	ACTACTTCCC	CGAACCGGTG	ACGGTGTCTGT
ACCGTGGGAG	GAGGTCTCTG	TGGAGACCCC	CGTGTCCCGG	GGACCCGACC	GACCAGTTCC	TGATGAAGGG	GCTTGGCCAC	TGCCACAGCA
1630	1640	1650	1660	1670	1680	1690	1700	1710
GGAACTCAGG	CGCCTGACC	AGCGGGGTGC	ACACCTTCCC	GGCTGTCTTA	CAGTCTCTAG	GACTCTACTC	CCTCAGCAGC	GTGGTCAACC
CCCTTGAGTCC	GCGGACTGG	TCGCGGCACG	TGTGGAAGGG	CCGACAGGAT	GTCAGGAGTC	CTGAGATGAG	GGAGTCTGTG	CACCAGTGGC
1720	1730	1740	1750	1760	1770	1780	1790	1800
TGCCCTCCAG	CAGCTTGGGC	ACCCAGACCT	ACATCTGCAA	CGTGAATCAC	AAGCCCAGCA	ACACCAAGGT	GGACAAGANA	GTGGGTGAGA
ACGGGAGGTC	GTGGAACCCG	TGGGTCTGGA	TGTAGACGTT	GCACCTTAGT	TTCGGGTCTG	TGTGGTTCCA	CCTGTCTTTT	CAACCACTCT

Figure 14B

(SEQ ID NO.: 10 - Primary Sequence)

(SEQ ID NO.: 28 - Complement)

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1810	1820	1830	1840	1850	1860	1870	1880	1890
GGCAGCACA	GGGAGGAGG	GTGTCGTG	GAAGCCAGG	TCAGCGCTCC	TGCTTGAGC	CATCCCGGT	ATGCAGCCC	AGTCCAGGC
CCGTCGTGT	CCCTCCCTCC	CACAGAGGAC	CTTCGGTCCG	AGTCGGAGG	ACGGACCTGC	GTAGGCGCGA	TACGTCCGGG	TCAGGTCCCG
1900	1910	1920	1930	1940	1950	1960	1970	1980
AGCAAGGCAG	GCCCCGTCTG	CCTCTTCACC	CGGAGGCCTC	TGCCCGCCCC	ACTCATGCTC	AGGGAGAGGG	TCTTCTGGCT	TTTTTCCCCAG
TCGTTCCGTC	CGGGGCAGAC	GGAGAACTGG	GCCTCCGGAG	ACGGCGGGG	TGAGTACGAG	TCCCTCTCCC	AGAAAGACCGA	AAAAGGGTC
1990	2000	2010	2020	2030	2040	2050	2060	2070
GCTCTGGCCA	GGCACAGGCT	AGGTGCCCTT	AACTCAGGCC	CTCCACACAA	AGGGGCAGGT	GCTGGGCTCA	GACCTGCCNA	GAGCCATATC
CGAGACCCGT	CCGTGTCCGA	TCCACGGGA	TTGGGTCCGG	GACGTGTGTT	TCCCCGTCCA	CGACCCGAGT	CTGGACGGTT	CTCGGTATAG
2080	2090	2100	2110	2120	2130	2140	2150	2160
CGGGAGGACC	CTGCCCCCTGA	CCTAAGCCCA	CCCCAAAGGC	CAAACTCTCC	ACTCCCTCAG	CTCGGACACC	TTCTCTCCTC	CCAGNTTCCA
CCCCCTCCIG	GACGGGACT	GGATTCGGGT	GGGTTTCCG	GTTTGAGAGG	TGAGGGAGTC	GAGCCTGTGG	AAGAGAGGAG	GGTCTAAGGT
2170	2180	2190	2200	2210	2220	2230	2240	2250
GTAACCTCCA	ATCTTCTCTC	TGCAGAGCCC	AAATCTGTG	ACAAACTCA	CACATGCCCA	CCGTGCCAG	GTAAGCCAGC	CCAGGCTCG
CATTGAGGT	TAGAAGAGAG	ACGTCTCGG	TTTAGAACAC	TGTTTTGAGT	GTGTACGGGT	GGCACGGGTC	CATTCGGTGG	GGTCCGGAGC
2260	2270	2280	2290	2300	2310	2320	2330	2340
CCCTCCAGCT	CAAGGCGGGA	CAGGTGCCCT	AGAGTAGCCT	GCATCCAGGG	ACACACCACG	TGGGTACCAA	CATGTCCGGA	GCCACATGGA
GGGAGGTCTGA	GTTCGGCCCT	GTCCACGGGA	TCTCATCCGA	CGTAGGTCCC	TGTGTGGTGC	ACCCATGGTT	GTACAGGCCT	CGGTGTACCT
2350	2360	2370	2380	2390	2400	2410	2420	2430
CAGAGGCCCG	CTCGGCCAC	CCTCTGCCCT	GAGAGTGACC	GCTGTACCAA	CCTCTGTCCC	TACAGGGCAG	CCCCGAGAAC	CACAGGTGTA
GTCTCCGGCC	GAGCCGGGTG	GGAGACGGGA	CTCTCACATG	CGACATGGTT	GGAGACAGGG	ATGTCCCGTC	GGGGCTCTTG	GTGTCCACAT
2440	2450	2460	2470	2480	2490	2500	2510	2520
CACCCTGCCC	CCATCCCGG	ATGAGCTGAC	CAAGAACCAG	GTGAGCCTGA	CTTCCTTGGT	CAAAGGCTTC	TATCCCAGCG	ACATCGCCGT
GTGGGACGGG	GGTAGGGCC	TACTCGACTG	GTCTTGGTC	CAGTCGGACT	GGACGGACCA	GTTTCCGAG	ATAGGGTCGC	TGTAGCGGCA
2530	2540	2550	2560	2570	2580	2590	2600	2610
GGAGTGGGAG	AGCAATGGC	AGCCGGAGAA	CAACTACAG	ACCACGCCCTC	CCGTGTGGA	CTCCAGCGGC	TCCTTCTTCC	TCTACAGCAA
CCTCACCCCTC	TCGTTACCCG	TCGGCCTCTT	GTGTATGTTT	TGGTGGGAG	GGCAGACCT	GAGGCTCCCG	AGGAAGAAGG	AGATGTCTGT
2620	2630	2640	2650	2660	2670	2680	2690	2700
GCTCACCGTG	GACAAGAGCA	GGTGGCAGCA	GGGGAACGTC	TTCTATGCT	CCGTGATGCA	TGAGGCTCTG	CACAACCACT	ACACGCAGAA
CGAGTGGCAC	CTGTTCTCGT	CCACCGTCTGT	CCCCCTGCG	AGAGTACGA	GGCAGTACGT	ACTCCGAGAC	GTGTTGGTGA	TGTGGCTCTT

Figure 14C
 (SEQ ID NO.: 10 - Primary Sequence)
 (SEQ ID NO.: 28 - Complement)

pD17-cJ-dCH2.H1

2710	2720	2730	2740	2750	2760	2770	2780	2790
GAGCCTCTCC	CTGTCTCCGG	GTAATGAGT	GCGACGGCG	GGAAGCCCC	GCTCCCCGG	CTCTCCGGGT	CGCAGAGGA	TGCTTGGCAC
CTCGGAGAGG	GACAGAGGCC	CATTACTCA	CGGTGCCGGC	CGTTCGGGG	CGAGGGGCCC	GAGAGCGCCA	GGCTGCTCCT	ACGAACCGTG
2800	2810	2820	2830	2840	2850	2860	2870	2880
GTACCCCCTG	TACATCTTC	CCGGGGCCCC	AGCATGAAA	TAAAGCACCC	AGCGCTGCCC	TGGGCCCTTG	CGAGACTGTG	ATGGTTCTTT
CATGGGGGAC	ATGTATGAG	GGCCCGCGGG	TGGTACCTTT	ATTTCGTGGG	TCGCGACGGG	ACCCGGGGAC	GCTCTGACAC	TACCAAGAAA
2890	2900	2910	2920	2930	2940	2950	2960	2970
CCACGGGTCA	GGCCGAGTCT	GAGGCTGAG	TGGCATGAGG	GAGGCAGAGC	GGGTCCCACT	GTCCCCACAC	TGGCCAGGC	TGTCCAGGTG
GGTGCCCACT	CCGGCTCAGA	CTCCGGACTC	ACCGTACTCC	CTCCGCTCTG	CCCAGGGTGA	CAGGGGTGTG	ACCGGTCCG	ACACGTCCAC
2980	2990	3000	3010	3020	3030	3040	3050	3060
TGCTTGGGCC	CCCTAGGGTG	GGGCTCAGCC	AGGGGTGCC	CTCGGCAGGG	TGGGGGATTT	GCCAGCGTGG	CCCTCCCTCC	AGCAGCACCT
ACGGACCCCG	GGGATCCAC	CCCGAGTCG	TCCCCGACGG	GAGCCGTCCC	ACCCCTTAAA	CGGTCCGACC	GGAGGGGAGG	TCGTCTGTGA
3070	3080	3090	3100	3110	3120	3130	3140	3150
GCCTTGGGCT	GGGCCACGGG	AAGCCCTAGG	AGCCCTGGG	GACAGACACA	CAGCCCTTGC	CTCTGTAGGA	GACTGTCTTG	TTCGTGTAGC
CGGGACCCGA	CCCGTGCCC	TTCGGGATCC	TCCGGGACCC	CTGTCTGTGT	GTCCGGGACG	GAGACATCCT	CTGACAGGAC	AAGACACTCG
3160	3170	3180	3190	3200	3210	3220	3230	3240
GCCCTGTGCC	TCCCGACCTC	CATGCCACT	CGGGGGCATG	CCTAGTCCAT	GTGCGTAGGG	ACAGGCCCTC	CCTCACCCAT	CTACCCCCAC
CGGGGACAGG	AGGGCTGGAG	GTACGGGTGA	GCCCTCCGTAC	GGATCAGGTA	CACGCATCCC	TGTCCGGGAG	GGAGTGGGTA	GATGGGGGTG
3250	3260	3270	3280	3290	3300	3310	3320	3330
GGCACTAACC	CCTGGCTGCC	CTGCCACGCC	TGCGACCCGC	ATGGGGACAC	AACCGACTCC	GGGGACATGC	ACTCTCGGGC	CCTGTGGAGG
CCGTGATTGG	GGACCGACGG	GACGGGTGG	AGCGTGGCG	TACCCCTGTG	TGCGCTGAGG	CCCCCTGACG	TGAGAGCCCC	GGACACCTCC
3340	3350	3360	3370	3380	3390	3400	3410	3420
GACTGGTGCA	GATGCCCAACA	CACACACTCA	GCCCAGACCC	GTTCAACAAA	CCCCGCACATG	AGGTTGGCCG	GCCACACGGC	CACACACAC
CTGACCACGT	CTACGGGTGT	GTGTGTGAGT	CGGGTCTGGG	CAAGTTGTTT	GGGGCGTGAC	TCCAACCCGG	CGGTGTGCCC	GTGGTGTGTG
3430	3440	3450	3460	3470	3480	3490	3500	3510
ACACGTGCAC	GCCTACACA	CGGAGCCTCA	CCCCGGCGAA	CTGCACAGCA	CCCAGACCAG	AGCAAGGTCC	TCCGACACGT	GAACACTCCT
TGTGCACGTG	CGGAGTGTGT	GCCTCGGAGT	GGGCCCGCTT	GACGTGTCTGT	GGGTCTGGTC	TCGTTCAGG	AGCGTGTGCA	CTTGTGAGGA
3520	3530	3540	3550	3560	3570	3580	3590	3600
CGGACACAGG	CCCCACGAG	CCCCACGGG	CACCTCAAGG	CCCACGAGCC	TCTCGGAGC	TTCCTCACAT	GCTGACTGCT	TCAGACAAAC
GCCTGTGTCC	GGGGTGCTC	GGGGTGCGC	GTGGAGTTCC	GGGTGTCTGG	AGAGCCGTCTG	AGAGGTGTGA	CGACTGGACG	AGTCTGTGTG

Figure 14D
 (SEQ ID NO.: 10 - Primary Sequence)
 (SEQ ID NO.: 28 - Complement)

pD17-cJ-dCH2.H1

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3610      3620      3630      3640      3650      3660      3670      3680      3690
CCAGCCCTCC TCTCACAGG GTGCCCTCG AGCCGCCACA CACACACAGG GGATCACACA CCACGTACAG TCCCTGGCCC TGGCCCACTT
GGTCGGGAGG AGAGTGTTCC CACGGGGACG TCGGCGGTGT GTGTGTGTCC CCTAGTGTGT GGTGCAGTGC AGGACCCGG AGGACCGTAA

3700      3710      3720      3730      3740      3750      3760      3770      3780
CCCAGTGCCG CCCTTCCCTG CAGGACGGAT CAGCCTCGAC TGTGCTTCT AGTTGCCAGC CATCTGTTGT TTGCCCTTCC CCGTGGCTT
GGGTACCGG GGAAGGGAC GTCCTGCCTA GTCGGAGCTG ACACGGAAGA TCAACGGTGC GTAGACAACA AACGGGGAGG GGCACGGAA

3790      3800      3810      3820      3830      3840      3850      3860      3870
CCTTGACCCCT GGAAGGTGCC ACTCCACTG TCGTTTCTTA ATAAATGAG GAAATTCAT CGCATTTGCT GAGTAGGTGT CATTTCTATT
GGAACGGGA CCTTCCACGG TGAGGGTGAC AGGAAGGAT TATTTTACTC CTTTAAACGTA GCCTAACAGA CTCATCCACA GTAAAGATAG

3880      3890      3900      3910      3920      3930      3940      3950      3960
TGGGGGGTGG GGTGGGGCAG GACAGCAAGG GGAAGGATTG GGAAGACAT AGCAGGCATG CTGGGGATGC GGTGGGCTCT ATGGCTTCTG
ACCCCCACC CCACCCCGTC CTGTCGTTCC CCTTCTTAC CCCTCTGTTA TCCTCTGTTA TCCTCCGTAC GACCCCTACG CCACCCGAGA TACCGAAGAC

3970      3980      3990      4000      4010      4020      4030      4040      4050
AGGCGGAAAG AACAGCTGG GGTCTTAGG GGTATCCCCA CGCGCCTGT AGCGGCGAT TAAGCGCGGC GGGTGTGGTG GTTACGCGCA
TCCGCTTTC TTGCTCGACC CCGAGATCCC GCTAGGGGT GCGCGGACAT TCGCCGCGTA ATTCCGCGCG CCCACACAC CNAATGCGCT

4060      4070      4080      4090      4100      4110      4120      4130      4140
GCGTACCCG TACACTTGC AGCCCTTAG CGCCCGCTCC TTTCGCTTTC TTCCCTTCTT TTCTCGCCAC GTTCGCCGGG CCTCTCAAAA
CGCACTGGCG ATGTGAACGG TCGCGGGATC GCGGGGAGG AAAGCGAAG AAGAGCGGTG CAAGCGGCCC GGAGAGTTT

4150      4160      4170      4180      4190      4200      4210      4220      4230
AAGGGAATAA AAGCATGCAT CTCATTAGT CAGCAACCAT AGTCCCGCCC CTAACCTCCG CCATCCCGCC CCTAATCCG CCCAGTTCCG
TTCCCTTTT TCGTACGTA GAGTTAATCA GTCGTTGTA TCAGGGCGCG GATTGAGCG GGTAGGCGG GGTAGAGGC GGTCAAGGC

4240      4250      4260      4270      4280      4290      4300      4310      4320
CCCATTTCTC GCCCATGGC TGACTAATTT TTTTATTTA TGCAGAGGCC GAGGCGGCT CGGCCCTGTA GCTATTCCAG AAGTAGTGAG
GGGTAAGAGG CGGGGTACC ACTGATTAAT AAAATTAAT ACGTCTCCG CTCCGGCGGA CCCGGAGACT CGATAAGGT TTCATCACTC

4330      4340      4350      4360      4370      4380      4390      4400      4410
GAGGCTTTT TGGAGGCTTA GGCTTTTCCA AAAAGCTTG ACAGCTCAG GCTCGCATTT CGCGCCAAAC TTGACGGCAA TCCTAGCGTG
CTCCGAAAAA ACCTCCGGAT CCGAAAACGT TTTTCGAACC TGTCGAGTCC CGACGCTAA GCGCGGTTTG AACTGCCGT AGGATCGCAC

4420      4430      4440      4450      4460      4470      4480      4490      4500
AAGGCTGGTA GGATTTTATC CCGCTGCCA TCAATGGTTC ACCATTGAAC TGCATCGTC CCGTGTCCCA AAATATGGG ATTGGCAAGA
TTCCGACCAT CCTAAATAG GGGGACCGT AGTACCAAGC TGGTAACCTG TGGTAACCTG TGGTAACCTG TGGTAACCTG TGGTAACCTG

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Figure 14E

(SEQ ID NO.: 10 – Primary Sequence)

(SEQ ID NO.: 28 – Complement)

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4510	4520	4530	4540	4550	4560	4570	4580	4590
ACGAGACCT	ACCTGGCCT	CCGCTCAGGA	ACGAGTTCAA	GTACTTCCAA	AGAATGACCA	CAACCTCTTC	AGTGGAGGT	AAACAGAAATC
TGCTCTGGA	TGGGACCGGA	GGCAGTCCT	TGCTCAAGTT	CATGAAGTT	TCTTACTGGT	GTGAGAGAG	TCACCTTCCA	TTTGTCTTAG
4600	4610	4620	4630	4640	4650	4660	4670	4680
TGGTGATTAT	GGGTAGGAA	ACCTGGTCT	CGATTCTCGA	GAAGAATCGA	CCTTTAAAGG	ACAGAAATTA	TATAGTCTC	AGTAGAGAAC
ACCATAATA	CCCATCCTT	TGGACCAAGA	GCTAAGGACT	CTTCTTAGCT	GGAAATTTCC	TGTCTTAAT	ATATCAAGAG	TCATCTCTTG
4690	4700	4710	4720	4730	4740	4750	4760	4770
TCAAAGAAC	ACCACGAGGA	GCTCATTTTC	TTGCCAAAG	TTTGGATGAT	GCCTTAAGAC	TTATTTGAACA	ACCGGAATTG	GCAAGTAAAG
AGTTCTTGG	TGGTGCTCCT	CGAGTAAAG	AAGGTTTTC	AAACCTACTA	CGGAATTCG	AATAACTTGT	TGGCCTTAAC	CGTTCATTTTC
4780	4790	4800	4810	4820	4830	4840	4850	4860
TAGACATGGT	TTGGATAGTC	GGAGGCGATT	CTGTTTACCA	GGAAGCCATG	AATCAACCAG	GCCACCTTAG	ACTCTTTTGTG	ACAAGGATCA
ATCTGTACCA	AACCTATCAG	CCTCCGTCAA	GACAAATGGT	CCTTCGGTAC	TTAGTTGGTC	CGGTGGATC	TGAGAAACAC	TGTTCTTAGT
4870	4880	4890	4900	4910	4920	4930	4940	4950
TGCAGGAATT	TGAAAGTGAC	ACGTTTTC	CAGAAATTGA	TTTGGGGAAA	TATAAACTTC	TCCCAGATA	CCCAGGCGTC	CTCTCTGAGG
ACGTCTTTAA	ACTTTCACG	TGCAAAAGG	GTCCTTAAC	AAACCCCTTT	ATATTGAAG	AGGTCTTAT	GGTCCGCGAG	GAGAGACTCC
4960	4970	4980	4990	5000	5010	5020	5030	5040
TCCAGGAGGA	AAAAGGCATC	AAGTATAAGT	TTGAAGTCTA	CGAGAAGAAA	GACTAACAGG	AAGATGCTTT	CAAGTCTCT	GCTCCCTCTC
AGGTCTCTCT	TTTTCGGTAG	TTCATATTCA	AACCTCAGAT	GCTCTCTCT	CTGATTTGCC	TTCTACGAAA	GTTCAAGAGA	CGAGGGGAGG
5050	5060	5070	5080	5090	5100	5110	5120	5130
TAAAGCTATG	CATTTTATA	AGACCATGG	ACTTTGCTG	GCCTTAGATC	TCCTTGTGAA	GGAACTTAC	TTCTGTGGTG	TGACATAAAT
ATTTCGATAC	GTAATAATAT	TCTGGTACCC	TGAATAACGAC	CGAATCTAG	AGAAACACTT	CCTTGGAAATG	AAGACACCAC	ACTGTATTAA
5140	5150	5160	5170	5180	5190	5200	5210	5220
GGACAACTA	CCTACAGAGA	TTTAAAGCTC	TAAGTAAAT	ATAAATTTT	TAAGTGTATA	ATGTGTTAA	CTACTGATTC	TAATTTGTTG
CCTGTTTGAT	GGATGCTCT	AAATTTGAG	ATTCCATTTA	TATTTTAAA	ATTACATAT	TACACAAAT	GATGACTAAG	ATTACAAAAC
5230	5240	5250	5260	5270	5280	5290	5300	5310
TGTATTTTAG	ATTCCAACCT	ATGGAACGTA	TGAATGGGAG	CAGTGGGGA	ATGCCCTTAA	TGAGGAAAC	CTGTTTTGCT	CAGAGAAAT
ACATAAATC	TAAGTTGGA	TACCTTGACT	ACTTACCCTC	GTACACCCT	TACGGAAT	ACTCCTTTTG	GACAAAACGA	GTCCTCTTA
5320	5330	5340	5350	5360	5370	5380	5390	5400
GCCATCTAGT	GATGATGAGG	CTACTGCTGA	CTCTCAACAT	TCTACTCTC	CAAAAAGAA	GAGAAAGTA	GAAGACCCCA	AGGACTTTCC
CGGTAGATCA	CTACTACTCC	GATGACGACT	GAGAGTTGTA	AGATGAGGAG	GTTTTTCTT	CTCTTTCCAT	CTTCTGGGGT	TCCTGAAGG

Figure 14F
 (SEQ ID NO.: 10 – Primary Sequence)
 (SEQ ID NO.: 28 – Complement)

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5410	5420	5430	5440	5450	5460	5470	5480	5490
TTGAGAAATG	CTAAGTTTTT	TGAGTCATGC	TGAGTTTAGT	AATAGAACTC	TTGCTTGCTT	TGCTATTATC	ACCACAAAGG	AAAAGCTGC
AAGTCTTAAC	GATTCAAAA	ACTCAGTAGC	ACACAATCA	TTATCTTGAG	AACGAACGAA	ACGATAAATG	TGGTGTTC	TTTTTCGACG
5500	5510	5520	5530	5540	5550	5560	5570	5580
ACTGCTATAC	AAGAAATTA	TGGAAAAATA	TTGNGPAACC	TTTATAAGTA	GGCATACAG	TTATAATCAT	AACATACTGT	TTTTTCTTAC
TGACGATATG	TTCTTTTAAT	ACCTTTTAT	AAGACATGG	AAATATTTCAT	CCGTATTGTC	AAATTTAGTA	TTGTAIGACA	AAAAGAATG
5590	5600	5610	5620	5630	5640	5650	5660	5670
TCCACACAGG	CATAGAGTGT	CTGCTATPAA	TAACTATGCT	CAAAAATTGT	GTACCTTTAG	CTTTTAAAT	TGTAAAGGGG	TTAATAAGGA
AGGTGTGTCC	GTATCTCACA	GACGATATTT	ATTGATAGCA	TTTTTTAACA	CATGGAAATC	GAAAAATTAA	ACATTTCCCC	AAATATTCTT
5680	5690	5700	5710	5720	5730	5740	5750	5760
ATATTTGATG	TATAGTGCCT	TGACTAGAGA	TCATAATCAG	CCATACCACA	TTTGTAGAGG	TTTTACTTGC	TTTAAAAAAC	CTCCACACCC
TATAAACTAC	ATATCACOGA	ACTGATCTCT	AGTATTAGTC	GGTATGGTGT	AAACATCTCC	AAATGGAACG	AAATTTTWTG	GAGGGTGTGG
5770	5780	5790	5800	5810	5820	5830	5840	5850
TCCCCCTGAA	CCTGAAACAT	AAATGGAATG	CAATTTTGT	TGTTAACTTG	TTTATTGCG	CTTATAATGG	TTACAAATAA	ACCAATAGCA
AGGGGACATT	GGACTTTGTA	TTTTACTTAC	GTAAACAACA	ACAAATGAAC	AAATAACGTC	GAATATTACC	AAATTTTAT	TCGTTATCGT
5860	5870	5880	5890	5900	5910	5920	5930	5940
TCACAAATTT	CACAAATAAA	GCATTTT	CATGCAATTC	TAGTTGTGGT	TTGTCCAAAC	TCATCAATGT	ATCTTATCAT	GTCTGGATCG
AGTGTTTAAA	GTGTTTATTT	CGTAAAAAAA	GTGACGTAAG	ATCAACACCA	NACAGGTTTG	AGTAGTTTACA	TAGAATAGTA	CAGACCTAGC
5950	5960	5970	5980	5990	6000	6010	6020	6030
GCTGGATGAT	CCTCCAGCGC	GGGATCTCA	TGCTGAGATT	CTTCGCCAC	CCCAACCTGT	TTATTGCGC	TTATAATGGT	TACAAATAAA
CGACCTACTA	GGAGTCGCG	CCCCTAGAT	ACGACCTCAA	GAAGCGGGTG	GGGTGGAACA	AAATACGTCG	AAATATTACCA	ATGTTTATTT
6040	6050	6060	6070	6080	6090	6100	6110	6120
GCAATAGCAT	CACAAATTC	ACAAATAAAG	CATTTTTTC	ACTGCAATTC	AGTTGTGTT	TGTCCAAAC	CATCAATGTA	TCTTATCATG
CGTTATCGTA	GTGTTTAAAG	TGTTTATTC	GTAAAAAAG	TGACGTAAGA	TCNACACCAA	ACAGGTTTGA	GTAATTACAT	AGAATAGTAC
6130	6140	6150	6160	6170	6180	6190	6200	6210
TCTGTATACC	GTCGACCTCT	AGCTAGAGCT	TGGCGTATTC	ATGGTCATAG	CTGTTTCCCTG	TGTGAAATG	TTATCCGCTC	ACAATTCAC
AGACATATGG	CAGCTGGAGA	TCCGATCTCGA	ACCGCATTAG	TACCAGTATC	GACAAAGGAC	ACACTTTAAC	AATAGGCGAG	TGTTAAGGTG
6220	6230	6240	6250	6260	6270	6280	6290	6300
ACAACATACG	AGCCGGAAGC	ATAAAGTGT	AAGCCTGGGG	TGCCTAATGA	GTGAGCTAAC	TCACATTAAT	TGCGTTCGCG	TCACCTGCCG
TGTTGTATGC	TCGGCCCTTCG	TATTTACAT	TTCCGACCCC	ACGGATTACT	CACCTGATTC	AGTGTAATTA	ACGCAACGCG	AGTGACGGGC

Figure 14G

(SEQ ID NO.: 10 - Primary Sequence)

(SEQ ID NO.: 28 - Complement)

pD17-eJ-dCH2.H1

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6310      6320      6330      6340      6350      6360      6370      6380      6390
CTTTCAGTC GGGAAACCTG TCGTGCCAGC TGCATTAAATG AATCGGCCAA CGCGCGGGGA GAGCGGTTT GCGTATTGGG CGCTCTTCGG
GAAAGGTCAG CCGTTTGGAC AGCACGGTGC ACCTAATTAC TTAGCCGGTT GCGCGCCCTT CTCCGCCAAA CGCATAAACC GCGAAGGC

6400      6410      6420      6430      6440      6450      6460      6470      6480
CTTCTCGCT CACTGACTCG CTGCGCTCGG TCGTTTCGGT GCGCGGAGG GTATCAGCTC ACTCAAAGGC GGTATATACG TTATCCACAG
GAAGGACGA GTGACTGAGC GACGCGAGCC ACCAAGCCGA CGCGCTCGC CNTAGTCGAG TGAGTTCCG CCAATTATGCC AATAGGTGTC

6490      6500      6510      6520      6530      6540      6550      6560      6570
AATCAGGGGA TAACGCAGGA AAGAACAATGT GAGCAAAAG CCAGCAAAAG GCCAGGAACC GTAAAAAGGC CGCGTTGCTG GCGTTTTTCC
TTAGTCCCTT ATGCTCTCT TTCTTGTA CACTGTTTCC GGTCTTTTC CGTCTCTTG CATTATTTCC GCGCAACGAC CGCAAAAAGG

6580      6590      6600      6610      6620      6630      6640      6650      6660
ATAGGCTCCG CCCCCCTGAC GAGCATCA CAANTCGAGC CTCAAGTCAG AGGTGGGAA ACCCGACAGG ACTATAAAGA TACCAGGCGT
TATCCGAGGC GGGGGACTG CTGCTAGTGT TTTTAGCTGC GAGTTCAATC TCCACCGCTT TGGGCTGTCC TGATATTTCT ATGCTCCGCA

6670      6680      6690      6700      6710      6720      6730      6740      6750
TTCCCCCTGG AAGCTCCCTC GTGCGCTCTC CTGTTCCGAC CCTGCCGCTT ACGGGATACC TGTCGCCCTT TCCTCCCTTC GGAAGCGTGG
AAGGGGACC TTCAGGGAG CACGCGAGG GACAAGGCTG GACGCGGCAA TGCGCTATCG ACAGCGGAA AGAGGGNAGC CCTTCGCACC

6760      6770      6780      6790      6800      6810      6820      6830      6840
CGCTTCTCA ATGCTCAGC TGTAGGTATC TCAGTTCCGT GTAGGTCGTT CGCTCCAAGC TGGGCTGTGT GCACGAACCC CCCGTTTCAGC
GCGAAGAGT TACGAGTGC ACNTCCATAG AGTCAAGCCA CATCCAGCAA GCGAGGTTCG ACCCGACACA CGTGCTTGG GGGCAAGTCG

6850      6860      6870      6880      6890      6900      6910      6920      6930
CCGACCGCTG CGCCTTATCC GGTAACATATC GTCTTGAGTC CAACCCGGTA AGACACGACT TATCGCCACT GGCAGCAGCC ACTGGTAACA
GGCTGGCGAC GCGAATAGG CCATTGATAG CAGAATCAG GTTGGGCCAT TCTGTGCTGA ATAGCGGTGA CCGTCGTGCG TGACCATGT

6940      6950      6960      6970      6980      6990      7000      7010      7020
GGATTACAG ACGGAGGTAT GTAGGCGGTG CTACAGATT CTGGAAGTGG TGGCCTAAT ACGGCTACAC TAGAAGGACA GTATTTGGTA
CCTAATCGTC TCGTCCATA CATCCGCCAC GAATCTCAA GAATCTCAA GAATCTCAA TCCCGATG TGCCGATG ATCTTCTGT CATAAACCAT

7030      7040      7050      7060      7070      7080      7090      7100      7110
TCTGCGCTCT GCTGAAGCCA GTTACCTTCG GAAAAGAGT TGGTAGCTCT TGATCCGCA AACAAACCAC CGCTGGTAGC GGTGGTTTTT
AGACGCGAGA CGACTTCGT CAATGGNAGC CTTTCTCA ACCATCAGA ACTAGGCCGT TTGTTTGGTG GCGACCATCG CCACCAAAA

7120      7130      7140      7150      7160      7170      7180      7190      7200
TTGTTTGC AA GCAGCAGAT ACGCCAGAA AAAAGATC TCAAGAAGAT CTTTGAATCT TTTCTACGGG GTCTGACGCT CAGTGAACG
NACAAACGTT CGTCTCTAA TGCGGCTCTT TTTTCTTAG AGTTCTCTA GGAACACTAGA AAAGATGCC CAGACTGCGA GTCACCTTGC

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Figure 14H
(SEQ ID NO.: 10 - Primary Sequence)
(SEQ ID NO.: 28 - Complement)

pD17-6J-dCH2.H1

7210	7220	7230	7240	7250	7260	7270	7280	7290
AAACTCAG	TAAAGGAT	TGGTCATGA	GATTATCAAA	AAGGATCTTC	ACCTAGATCC	TTTAAATTA	AAANTGAAGT	TTTAATCAAA
TTTGTAGTC	AATTCCTAA	AACCACTACT	CTAATAGTTT	TTCTTAGAAG	TGGATCTAGG	AAATTTAAT	TTTACTTTCA	AAATTTAGTT
7300	7310	7320	7330	7340	7350	7360	7370	7380
TCTAAAGTAT	ATATGAGTAA	ACTTGGTCTG	ACAGTTACCA	ATGCTTAATC	AGTGAGGCAC	CTATCTCAGC	GATCTGTCTA	TTTCTGTTTCAT
AGATTTTCATA	TATACTCATT	TGAACCAAGAC	TGTCAATGGT	TACGAATTAG	TCACCTCCGTG	GATAGAGTCG	CTAGACAGAT	AAAGCAAGTA
7390	7400	7410	7420	7430	7440	7450	7460	7470
CCATAGTTGC	CTGACTCCGC	GTCGTGTAGA	TAACATAGAT	ACGGGAGGGC	TTACCATCTG	GCCCCAGTCG	TGCAATGATA	CCGCGAGACC
GGTATCAACG	GACTGAGGGG	CAGCACATCT	ATTGATGCTA	TGCCCCCTCCG	AATGGTAGAC	CGGGTTCACG	ACGTTACTAT	GGCGCTCTGG
7480	7490	7500	7510	7520	7530	7540	7550	7560
CACGCTACC	GGCTCCAGAT	TTATCAGCAA	TAAACCAACC	AGCCGGAGAG	GCCGAGCGCA	GAAGTGTGCC	TGCAACTTTA	TCCGCTCTCA
GTCCGAGTGG	CCGAGGTCTA	AATAGTCGTT	ATTGTGTCGG	TGCGCCTTCC	CGGCTCGCGT	CTTCACCAGG	ACGTTGAAAT	AGCGGAGGTT
7570	7580	7590	7600	7610	7620	7630	7640	7650
TCCAGTCTAT	TAATTTGTGC	CGGGAAGCTA	GAGTAAAGTAG	TTCCGCCAGTT	AATAGTTTGC	GCAAGTTTGT	TGCCATTTGCT	ACAGGCATCG
AGGTACAGATA	ATTAAACAACG	GCCCTTCGAT	CTCATTTATC	AAGCGGTCAA	TTATCAAAACG	CGTTGCAACA	ACGGTAACGA	TGTCCGTAGC
7660	7670	7680	7690	7700	7710	7720	7730	7740
TGGTGTACAG	CTCGTCGTTT	GGTATGGCTT	CATTCAGTTC	EGGTTCCCAA	CGATCAAGGC	GAGTTACATG	ATCCCCCATG	TTGTGCAAAA
ACCACAGTGC	GAGCAGCAA	CCATACCGAA	GTAAGTCCAG	GCCAAAGGTT	GCTAGTTCCG	CTCAATGTAC	TAGGGGTAC	AACACGTTT
7750	7760	7770	7780	7790	7800	7810	7820	7830
AAGCGGTTAG	CTCCTTCGGT	CCCTCCGATCG	TTGTCAAGAG	TNAGTTGGCC	GCAGTGTAT	CACATCATGT	TATGGCAGCA	CTGCATTAAT
TTCCGCCAATC	GAGGAAGCCA	GGAGGCTAGC	AACAGTCTTC	ATTCAACCGG	CGTCACAATA	GTGAGTACCA	ATACCGTCTG	GACGTATTA
7840	7850	7860	7870	7880	7890	7900	7910	7920
CTCTTACTGT	CATGCCATCC	GTAAGATGCT	TTTCTGTGAC	TGGTGAGTAC	TCAACCAAGT	CATTCTGAGA	ATAGTGTATG	CGGCGACCGA
GAGAATGACA	GTACGGTAGG	CATCTTACGA	AAAGACACATG	ACCACTCATG	AGTTGGTTCA	GTAAGACTCT	TATCACATAC	GGCGCTGGCT
7930	7940	7950	7960	7970	7980	7990	8000	8010
GTTGCTCTTG	CCCCGGCTCA	ATACGGGATA	ATACCGCGCC	ACATAGCAGA	ACTTTAAAG	TGCTCATCAT	TGGAACACCT	TCCTCGGGGC
CAACGAGAAC	GGGCGGCAGT	TATGCCCTAT	TATGGCGCGG	TGTATCGTCT	TGAATTTTC	ACGAGTAGTA	ACCTTTTGCA	AGAAGCCCCG
8020	8030	8040	8050	8060	8070	8080	8090	8100
GAAAACCTTC	AAGGATCTTA	CCGCTGTGTA	GATCOAGTTC	GATGTAACCC	ACTCGTGAC	CCAAGTATC	TTTACGATCT	TTTACTTTCA
CTTTTGAGAG	TTCTTAGAAT	GGCGACAAC	CTAGTCAAG	CTACATTTGG	TGAGCACCTG	GGTTGACTAG	AAGTCTGAGA	AAATGAAGT

Figure 14I
(SEQ ID NO.: 10 - Primary Sequence)
(SEQ ID NO.: 28 - Complement)

pD17-cJ-dCH2.H1

8110	8120	8130	8140	8150	8160	8170	8180	8190
CCAGCGTTTC	TGGGTGAGCA	AAAACAGGAA	GGCAAAATCC	CGCAAAAAG	GGAATAAGG	CGACACGGAA	ATGTTGAATA	CTCATACTCT
GGTCGCAAG	ACCCACTCGT	TTTGTGTCCT	CCGTTTACG	CGGTTTTTC	CCTTATTTCC	GCTGTGCTT	TACAACCTTAT	GAGTATGAGA
8200	8210	8220	8230	8240	8250	8260	8270	8280
TCCTTTTTCA	ATATTATTGA	AGCATTTATC	AGGGTTATTG	TCTCATGAGC	GGATACATAT	TTGAATGTAT	TTAGAAAAAT	AAACAANTAG
AGGAAAAAGT	TATAATAACT	TCGTAAATAG	TCCCAATAAC	AGAGTACTCG	CCTATGTATA	AACCTACATA	AATCTTTTAA	TTTGTTTATC
8290	8300	8310	8320	8330				
GGGTTCCGCG	CACATTTCCT	CGAAAAGTGC	CACCTGACGT	C				
CCCAAGGCGC	GTGTAAAGGG	GCTTTTCACG	GTGGACTGCA	G				

Figure 14J
(SEQ ID NO.: 10 – Primary Sequence)
(SEQ ID NO.: 28 – Complement)

Figure 19A
(SEQ ID NO.: 23 – Primary Sequence)
(SEQ ID NO.: 29 – Complement)

pd17-hg1b

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10      20      30      40      50      60
GGTACCAATT TAAATTGATA TCTCCTTAGG TCTCGAGTCT CTAGATAACC GGTCAATCGA
CCATGGTTAA ATTAACTATF AGAGAAATCC AGAGCTCAGA GATCTATTGG CCACTTAGCT

70      80      90     100     110     120
TTGGAATYCT TGCGCGCGCT TGCTAGACCC AAGGGCCCAT CCGTCTTCCG CCTGGCACCC
AACCTTAAGA ACGCCGGCGA ACGATCGTGG TTCCCGGGTA GCCAGAAAGG GACCGTGGG

130     140     150     160     170     180
TCCTCCAAGA GCACCTCTGG GGGCAGACCG GCCCTGGGCT GCTGGTCAA GGACTACTTC
AGGAGCTTCT CGTGGAGACC CCGTGTGCG CCGGACCCGA CCGACCAGTT CCTGATGAAG

190     200     210     220     230     240
CCCCAACC GG TGACGGGTGC GTGGAATCTA GGGGGCCCTGA CCAAGCGGCT GCACACCTTC
GGGCTTGGCC ACTGCCACAG CACCTTGAGT CCGCGGGACT GGTGCGCGCA CGTGTGAAG

250     260     270     280     290     300
CCGGCTGTCC TACAGTCTTC AGGACTCTAC TCCCTCAGCA GCGTGTCTAC CGTGGCCCTC
GGCCGACAGG ATGTCAAGAG TCCTGAGATG AAGGAGTCTG CCGACCAATG GCACGGGAGG

310     320     330     340     350     360
AGCAGCTTGG GCACCCAGAC CTACATCTGC AACGTGAATC ACAAGCCAG CAACACCAGG
TTCGTCGAACC CGTGGTCTG GATGTAGACG TTGCACCTAG TGTTCGGGTC GTGTGTCTC

370     380     390     400     410     420
GTGACAAAGA AAGTTGTGA GAGGCCAGCA CAGGAGGGA GGGTGTCTGC TGAAGCCAG
CACCTGTCTT TCAACCACT CTCCGGTCTG GTCCCTCCCT CCCACAGAGC ACCTTCGGTC

430     440     450     460     470     480
GCTCAGCGCT CCTGCCCTGA CGCATCCCGG CTATGCAAGC CCAATCCAG GCACCAAGGC
CGAGTCGCGA GGACGGACCT GCGTAGGGCC GATACGTCCG GGTCAAGTCC CGTCTTCCG

490     500     510     520     530     540
AGGCCCCGTC TGCTCTTCA CCGGAGGCC TCTGCCCGCC CCACTCATGC TCAGGAGAG
TCCGGGGCAG ACGGAGAGT GGGCTTCCG AGACGGGGG GGTGAGTACG AGTCCCTTC

550     560     570     580     590     600
GGTCTTCTGG CTTTCTCCCG AGGCTCTGG CAGGCACAG CTAGTGTCC CTAACCCAGG
CCAGAGAGCC GAAAAAGGG TCCGAGACCC GTCCGTCTCC GATCCACGGG GATTGGGTCC

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Figure 19B
(SEQ ID NO.: 23 - Primary Sequence)
(SEQ ID NO.: 29 - Complement)

pd17-hGtb

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610      620      630      640      650      660
CCCTGCACAC AAAGGGGAG GTGCTGGCT CAGACCTGCC AAGAGCCATA TCCGGGAGGA
GGGACCGTGT TTTCCCGCTC CACGACCCGA GTCTGACGG TTCTGGTAT AGCCCTCTCT
670      680      690      700      710      720
CCCTGCCCCC GACCTAAGCC CACCCCAAG GCCAACTCT CCACCTCCCT AGCTCGACA
GGACGGGGA CTGATTCCG GTGGGTTTC CGGTTTAGA GGTGAGGAG TTCGAGCCTGT
730      740      750      760      770      780
CCCTCTCTCC TCCCAGATT CAGTAATCTC CAATCTCTC TCTGCAGAG CCMAATCTTG
GGAAGAGAG AGGCTTAAG GTCAATTGAG GTTGAAGAG AGACCTCTCG GGTTAGAAC
790      800      810      820      830      840
TGACAAACT CACACATGCC CACCGTGCCC AGGTAAGCCA GCCCAGGCTT CGCCCTCCAG
ACTGTTTGA GTGTATACGG GTGGCACGGG TCCATTCGCT CGGTCGCGA GCGGGAAGTC
850      860      870      880      890      900
CTCAGGCGG GACAGTGCC CTAGAGTAG CTGCATCCAG GGACAGGCC CAGCCGGGTG
GAGTTCCGCC CTGTCCACGG GATCTCATCG GACGTAGTC CCGTCCGGG GTCGGCCAC
910      920      930      940      950      960
CTGACACGTC CACCTCCATC TCTTCTCAG CACCTGAAT GTGACTTGA GACCTCCCTT GGCAGTCAGA
GACTGTGAG GTGAGGTAG AGAAGAGTC GTGACTTGA GACCTCCCTT GGCAGTCAGA
970      980      990      1000      1010      1020
TCCCTTTCCC CCCAAACCC AAGGACACC TCATGATCTC CCGACCCCT GAGTACAT
AGGAGAAGG GGGTTTGGG TTTCTGTGG AGTACTAGAG GGCTGGGGA CTCGAGTGA
1030      1040      1050      1060      1070      1080
GCGTGAGGT GGACGTAGC CACGAAGAC CTGAGGTCAA GTTCAACTGG TACGTGAGC
CGCACCAACA CCTGCACCTG GTGCTTCTGG GACTCCAGTT CAAGTTGACC ATGCACCTGC
1090      1100      1110      1120      1130      1140
GCCGTGAGGT GCATTAATGCC AAGACAAGC CGCGGAGAGA GCAGTACAC AGCAGGTACC
CGACCTCCA CGTATTACGG TTCTGTTTCG GCGCCCTCTT CGTCATGTTG TCCGTGATGG
1150      1160      1170      1180      1190      1200
GTGTGTCAG CGTCTCACG GTCCTGCACC AGGACTGGCT GAATGGCAAG GAGTACATGT
CACACCAATC GCAAGAGTGG CAGGACGTGG TCCGTGACCA CTATACCGTTC CTCATGTTCA

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Figure 19C
(SEQ ID NO.: 23 - Primary Sequence)
(SEQ ID NO.: 29 - Complement)

PD17-hG1b

312 1210 1220 1230 1240 1250 1260
GCAAGCTTC CAACAAGCC CTCACAGCC CCAATCGAGA AACCACTCC AAAGCAAG
CCTCCAGAG GTTCTTCGG GAGGTCGGG GGTAGCTCTT TTGGTAGAG TTTCGGTTC
1270 1280 1290 1300 1310 1320
GTGGACCCG TGGGGTCCGA GGGCCACATG GACAGAGCC GGCTGGGCC ACCCTCTGCC
CAACCTGGGC ACCCCACGCT CCGGGTGTAC CTGTCTCCGG CCGAGCCGG TGGAGACGG
1330 1340 1350 1360 1370 1380
CTGAGAGTGA CCGCTGTACC AACCTCTGTC CCTACAGGGC AGCCCCGAGA ACCACAGGTG
GACTCTCACT GCGGACATGG TTGAGACAG GATGTCCCG TCGGGCTCT TGGTCTCCAC
1390 1400 1410 1420 1430 1440
TACACCCCTGC CCCCATCCCG GATGAGCTG ACCAAGAACC AGGTACGCTT GACCTGCCCTG
ATGTGGGACG GGGTAGGGC CTTACTCGAC TGGTCTTGG TCCAGTCGGA CTGGACGGAC
1450 1460 1470 1480 1490 1500
GTCAAAAGCT TCTATCCAG CGACATCGCC GTGAGTGGG AGAGCAATGG GCAGCCGGAG
CAGTTCCGA AGATAGGGTC GCTGTAGCG CACCTCACCC TCTGTTTACC CGTCGGCCTC
1510 1520 1530 1540 1550 1560
AACAACCTACA AGACCAAGCC TCCCCTGCTG GACTCCGACG GCTCTTCTT CCTCTACAGC
TTGTGTGATGT TCTGTGCCG AGGCAACGAC CTGAGGCTGC CGAGAGAGA GGAGATGTG
1570 1580 1590 1600 1610 1620
AAGCTCACCG TGGACAAGAG CAGGTGGCAG CAGGGAACG TCTTCTCATG CTCCTGATG
TTGAGTGGC ACCTGTCTC GTCCACCGTC GTCCCCTTGC AGAAGATAC GAGGCACTAC
1630 1640 1650 1660 1670 1680
CATGAGGCTC TGGACAACCA CTACACGAG AAGAGCTCT CCCTGTCTC GGGTAAATGA
GTACTCCGAG ACCTGTGCT GATGTGCTC TTCTCGAGA GGGACAGAG CCCATTACT
1690 1700 1710 1720 1730 1740
GTGGACGGC CGGCAAGCC CCGCTCCCG GGCTCTGCG GTCCGACGAG GATGCTTGGC
CAGCTGCGC GCCGTCGGG GCGAGGGGC CCGAGAGCC CAGCGTCTC CTACGAACCG
1750 1760 1770 1780 1790 1800
ACGTACCCCT TGTACATCT TCCCGGGCG CACAGATGA AATTAAGCAC CCAGCGCTGC
TCCATGGGG ACATGTATGA AGGCGCCGC GGTCTTACT TTAATTCTG GTCTCGGACG

Figure 19D
(SEQ ID NO.: 23 - Primary Sequence)
(SEQ ID NO.: 29 - Complement)

pD17-hg1b

1810	1820	1830	1840	1850	1860
CCTGGCCCC	TGCGAGCTG	TGATGTTCT	TTCACCGGT	CAGGCCGAGT	CTGAGGCCCTG
GGACCCGGGG	ACGCTCTGAC	ACTACCAAGA	AAGTGCCCA	GTCCGGCTCA	GACTCCGGAC
1870	1880	1890	1900	1910	1920
AGTGGCATGA	GGGAGGCAGA	GCGGTCCCA	CTGTCCCCAC	ACTGGCCCA	GCTGTGCAGG
TCACCGTACT	CCCTCCGTCT	CGCCCAAGGT	GACAGGGTG	TGACCGGGTC	CGACACGTCC
1930	1940	1950	1960	1970	1980
TGTGCTTGGG	CCCCCTAGGG	TGGGGCTCAG	CCAGGGGCTG	CCCTCGGCAG	GTTGGGGGAT
ACACGGGACCC	GGGGGATCCC	ACCCCGAGTC	GGTCCCCGAC	GGGAGCCGTC	CCACCCCTTA
1990	2000	2010	2020	2030	2040
TTCGCCAGCGT	GGCCCTCCCT	CCAGCAGCAC	CTGCCCTGGG	CTGGCCACG	GGAAGCCCTA
AACGGTCGCA	CCGGGAGGGA	GGTCTCTGTG	GACGGGACCC	GACCCGGTGC	CCTTCGGGAT
2050	2060	2070	2080	2090	2100
GGAGCCCCCTG	GGGACAGACA	CACAGCCCCCT	GCCTCTGTAG	GAGACTGTGC	TGTTCTGTGA
CCTCGGGGAC	CCCTGTCTGT	GTCTCGGGGA	CGGAGACATC	CTCTGACAGG	ACAAGACACT
2110	2120	2130	2140	2150	2160
GGGCCCCCTGT	CCTCCCGAAC	TCCATGCCCA	CTCGGGGGCA	TGCTGGGGAT	GCGGTGGGCT
CGCGGGGACA	GGAGGCTGG	AGGTACGGGT	GAGCCCCCGT	ACGACCCCTA	CGCCACCCGA
2170	2180	2190	2200	2210	2220
CTATGCGCTTC	TGAGGCGGGA	AGAACCACT	GGGGCTCTAG	GGGTATGCC	CAAGCGCCCT
GNATCCGAMG	ACTCCGCTTT	TCTTGCTCGA	CCCCGAGATC	CCCATAGGG	GAGCGCGGGA
2230	2240	2250	2260	2270	2280
GTTAGCGGCGC	ATTTAAGCGCG	GCGGGTGTGG	TGGTTACGGC	CAGCGTAGCT	GCTTACACTTG
CATCGCCGCG	TAAATTCGCGC	CGCCCAACAC	ACCAATGCCG	GTGCACTGG	CGATGTGAAC
2290	2300	2310	2320	2330	2340
CCAGCGGCCCT	AGCGCCCGCT	CCTTTCGCTT	TCTTCCCTTC	CTTTCCTGCGC	ACGTTGCGCG
GGTGCGGGGA	TTCGCGGGCA	GGAAGCGAA	AGAAGGGAAG	GAAAGAGCGG	TGCAAGCGGC
2350	2360	2370	2380	2390	2400
GCTTTCGCCCG	TCAAGCTCTA	AATTCGGGCA	TCCCTTTAGG	GTTCCGATTT	AGTGCTTTAC
CGAAGCGGGC	AGTTCGAGAT	TTAGCCCCGT	AGGGAATCC	CAAGCTTAA	TCACGAATAG

Figure 19E
(SEQ ID NO.: 23 - Primary Sequence)
(SEQ ID NO.: 29 - Complement)

pD17-hG1b

2410	2420	2430	2440	2450	2460
GGCACCCTCGA	CCCCAAAAA	CTTGATTAGG	GTGATGGTTC	ACGTAGTGG	CCATCGCCCT
CCGTGGAGCT	GGGGTTTTT	GAACATAATCC	CACTACCAAG	TGCATCACCC	GGTAGCGGGA
2470	2480	2490	2500	2510	2520
GATAGACGGT	TTTTGCCCC	TTGACGTTGG	AGTCCACGTT	CTTTAATAGT	GGACTCTTGT
CTATCTGCCA	AAAAGCGGA	AACTGCAACC	TCAAGTGCAA	GAAATTAATCA	CCTGAGAACA
2530	2540	2550	2560	2570	2580
TTCCAACCTGG	AACAACACTC	AACCTTATCT	CGGTCTATTC	TTTTGATTTA	TAAGGGATTT
AGGTTTGACC	TTGTTGTAG	TTGGGATGAA	GCCAGATTAAG	AAAACATAAT	ATTCCTTAAA
2590	2600	2610	2620	2630	2640
TGGGGATTTC	GGCCTATTGG	TTAAAAATG	AGCTGATTTA	ACAAAAATTT	AACGCGAATT
ACCCCTAAG	CCGATTAACC	AATTTTTTAC	TGCACTAAAT	TGTTTTTAAA	TTGCGCTTAA
2650	2660	2670	2680	2690	2700
AATTCGTGG	AATGTGTGC	AGTTAGGGTG	TGGAAGTCC	CCAGGCTCCC	CAGGCAGGCA
TTAAGACACC	TTACACACAG	TCAATCCAC	ACCTTTCAGG	GGTCCGAGGG	GTCCGTCCGT
2710	2720	2730	2740	2750	2760
GAAATATGCA	AAGCATGCAT	CTCAATTAGT	CAGCAACCAT	AGTCCGCCC	CTAATCTCCG
CTTCATACGT	TTCGTACGTA	GAGTTAATCA	GTCGTTGTA	TCAGGGCGGG	GATTGAGGCG
2770	2780	2790	2800	2810	2820
CCATCCCGCC	CCTAACTCCG	CCCAGTTCCG	CCCATTTCTC	GGCCCATGGG	TGACTTAATTT
GCTAGGGCGG	GGATTGAGGC	GGGTCAAGGC	GGGTAAGAGG	CGGGGTACCG	ACTGATTTAAA
2830	2840	2850	2860	2870	2880
TTTTTATTTA	TGCAGAGGCC	GAGGCCGCTT	CGGCTCTCTGA	GCTATTCCAG	AAGTAGTGAG
AAAAATAAAT	ACGTCCTCCG	CTCCGGCGGA	GCCGAGACT	CGATPAAGTC	TTTCATCACTC
2890	2900	2910	2920	2930	2940
GAGGCTTTT	TGAGAGCCCTA	GGCTTTTGCA	AAAAAGCTTGG	ACAGCTCAGG	GCTGCGATTT
CTCCGAAAAA	ACCTCCGGAT	CCGAAAAAGT	TTTTCGAACC	TGTCGAGTGC	CGAGGCTAAA
2950	2960	2970	2980	2990	3000
CGCGCCAAAC	TTGACGGCAA	TCCTTAGCGTG	AAGGCTGCTA	GGATTTTATC	CAGGCTGCCA
GCGCGGTTTG	AACTGCCGTT	AGGATCGCAC	TTCCGACCAT	CCTAAAATAG	GGGCGACGGT

Figure 19F
(SEQ ID NO.: 23 - Primary Sequence)
(SEQ ID NO.: 29 - Complement)

3010 3020 3030 3040 3050 3060
TCATGCTTCG ACCATYTGAAAC TGCATCGTCG CCGTCGCCA AAATATGGGG ATTGGCAAGA
AGTACCAAGC TGCTAACTTG ACGTAGCAGC GGCACAGGGT TTTATACCCG TAAACGTTCT
3070 3080 3090 3100 3110 3120
ACGAGACCTT ACCCTGGCCT CCGCTCAGGA ACGAGTTCAA GTACTTCCAA AGAATGACCA
TGCCCTCTGGA TGGGACCGGA GCGGAGTCCT TGCTCAAGTT CATTGAAGGT TCTTACTGGT
3130 3140 3150 3160 3170 3180
CAACCTCTTC AGTGAAGGT AAACAGATTC TGGTGAATPAT GGGTAGGAAA ACCTGGTTCT
GTTGGAGAAG TCACCTTCCA TTTGTCTTAG ACCACTAATA CCCATCCCTT TGGACCAAGA
3190 3200 3210 3220 3230 3240
CCATTCCTGA GAAGAAATCGA CCTTTAAAGG ACAGATTTAA TATAGTTCTC AGTAGAGAAC
GGTAAGGACT CTCTTAGCT GGAATTTCC TGTCTTAAT ATATCAAGAG TCATCTCTTG
3250 3260 3270 3280 3290 3300
TCAAGAACC ACCACGAGGA GCTCATTTTC TTGCCAAAAG TTTGGATGAT GCCTTAAGAC
AGTTCTTGG TGTGCTCTCT CGAGTAAAG AACGGTTTC AAACCTACTA CGGAATTCCTG
3310 3320 3330 3340 3350 3360
TTATTTGAACA ACCGGAATTG GCAAGTAAAG TAGACATGGT TTGATTAATC GGAGGCAGTT
AATTAACCTTGT TGGCCTTAAC CGTTCATTTTC ATCTGTACCA AACCTATCAG CCTCCGTCAA
3370 3380 3390 3400 3410 3420
CTGTTTACCA GGAAGCCATG AATCAACCAG GCCACCTTAG ACTCTTTGTG ACAAGGATCA
GACAAATGGT CCTTCGGTAC TTAGTTGGTC CCGTGAATTC TGAGAAACAC TGTTCCTAAGT
3430 3440 3450 3460 3470 3480
TGCAGGAATT TGAAAAGTAC ACGTTTTC CAGAAATGTA TTTGGGAAA TATTAACCTTC
ACGTCCCTTAA ACTTCACTG TGCAAAAAG GTCTTAACT AAACCCCTTT ATATTGAAG
3490 3500 3510 3520 3530 3540
TCCCAGAATA CCCAGGCGTC CTCTCTGAGG TCCAGAGAGA AAAAGGCATC AAGTATTAAGT
AGGTCCTTAT GGGTCCGAG GAGAGACTCC AGGTCTCTCT TTTTCCGTAG TTCAATATCA
3550 3560 3570 3580 3590 3600
TTGAAGTCTA CGAGAAGAAA GACTTAACAGG AAGATGCTTT CAAGTCTCT GCTCCCTCC
AACTTCAGAT GCTCTTCTTT CTGATTTCC TTCTACGAAA GTTCAAGHGA CGAGGGGAG

pD17-hg1b

Figure 19G
(SEQ ID NO.: 23 - Primary Sequence)
(SEQ ID NO.: 29 - Complement)

pD17-hG1b

3610	3620	3630	3640	3650	3660
TTAAGCTATG	CATTTTATA	AGACCAAGG	ACTTTGCTG	GCTTTAGATC	TCTTTGTGAA
ATTTCGATAC	GTAATAATAT	TCTGTACCC	TGAAAACGAC	CGAAATCTAG	AGAACAACCT
3670	3680	3690	3700	3710	3720
GGAACCTTAC	TTCTGTGTG	TGACATTAAT	GGACAACTA	CCTACAGAGA	TTTAAAGCTC
CCTTGAATG	AAGACACCAC	ACTGTATTAA	CCTGTTTGAT	GGATGCTCT	AAATTTTCGAG
3730	3740	3750	3760	3770	3780
TAAGGTAAAT	ATTAATAATTT	TAAGTGTATA	ATGTGTTTAA	CTACTGATTC	TAATTTGTTTG
ATTCCATTTA	TATTTTAAAA	ATTCACATAT	TACACAAATT	GATGACTAAG	ATTACACAAC
3790	3800	3810	3820	3830	3840
TGTATTTTAG	ATTCCAACCT	ATGGAACCTGA	TGAATGGAG	CAGTGTGGA	ATGCCCTTAA
ACATAAATC	TAAGTTTGA	TACCTTGACT	ACTTACCCTC	GTCACACCCT	TACGGAAATT
3850	3860	3870	3880	3890	3900
TGAGGAAAC	CTGTTTTGCT	CAGAAGAAT	GCCATCTAGT	GATGATGAG	CTACTGCTGA
ACTCCCTTTG	GACAAAACGA	GTCCTCTTTA	CGGTAGATCA	CTACTACTCG	GATGACGACT
3910	3920	3930	3940	3950	3960
CTCTCAACAT	TCTACTCCTC	CAAAAAAGAA	GAGAAAGCTA	GAAGACCCCA	AGGACTTTCC
GAGAGTTGTA	AGATGAGGAG	GTTTTTCTT	CTCTTCCAT	CTTCGCGGT	TCCGTGAAGG
3970	3980	3990	4000	4010	4020
TTTCAGAATG	CTAAGTTTTT	TGAGTCATGC	TGTGTTTAGT	AATAGAAGCTC	TTGCTTGCTT
AAGTCTTAAC	GATTCAAAAA	ACTCAGTAGC	ACACAAATCA	TTATCTTGAG	AACGAACGAA
4030	4040	4050	4060	4070	4080
TGCTATTTAC	ACCACAAAGG	AAAAAGCTGC	ACTGCTATAC	AAGAAATTTA	TGGAAAAATA
ACGATTAATG	TGCTGTTTCC	TTTTTCGACG	TGACGATATG	TTCTTTTAAT	ACCTTTTTAT
4090	4100	4110	4120	4130	4140
TTTCTGTACC	TTTATTAAGTA	GGCATAACAG	TTATATATCAT	AACATACTGT	TTTTTCTTAC
AAGACATWGG	AAATATTCAAT	CCGTATTGTC	AAATATTAGTA	TTGTATGACA	AAAAAGAATG
4150	4160	4170	4180	4190	4200
TCCACACAGG	CATAGAGTGT	CTGCTATTAA	TAAGTATGCT	CAAAAATTGT	GTACCTTTAG
AGGTGTGTCC	GTATCTCACA	GACGATTAAT	ATTGATACGA	GTTTTTAACA	CATGGAATTC

Figure 19H
(SEQ ID NO.: 23 - Primary Sequence)
(SEQ ID NO.: 29 - Complement)

PD17-hG1b

4210	CTTTTAAAT	4220	TGTAAGGG	4230	TTAATAGGA	4240	ATATTGATG	4250	TATAGTGGT	4260	TGACTAGAGA
	GAAAAATTAA		ACATTTCCC		AATTAATCTT		TATTAACCTAC		ATATCACGGA		ACTGATCTCT
4270	TCATTAATCAG	4280	CCATACACACA	4290	TTTGTAGAGG	4300	TTTACTTTC	4310	TTTAAATAAC	4320	CTCCACACACC
	AGTATTAAGTC		GGTATGGTGT		AAACATCTCC		AAAATGAACG		AAATTTTTCG		GAGGGTGTGG
4330	TCCCCCTGAA	4340	CCTGAACAT	4350	AAAATGAATG	4360	CAATTGTGT	4370	TGTTAACTTC	4380	TTTAATTGCAG
	AGGGGGACTT		GCACTTTCGT		TTTTACTTAC		GTTAACACACA		ACAATTGAAC		AAATTAACGTC
4390	CTTATAATGG	4400	TTACAATAAA	4410	AGCAATAGCA	4420	TCACAATTTT	4430	CACAATAATA	4440	GCAATTTTTT
	GAATATTACC		AAATTTTAT		TGTTATTCGT		AGTGTATAAA		GTGTTTATTT		CGTAATAAAAA
4450	CACTGCATTC	4460	TAGTGTGGT	4470	TTGTCCAAC	4480	TCATCAATGT	4490	ATCTTAATCAT	4500	GTCGTGATCG
	GTGACGTAAG		ATCAACACCA		AACAGGTTTG		AGTAGTTACA		TAGAATAGTA		CAGACCTAGC
4510	GCTGATGAT	4520	CCTCCAGCG	4530	GGGATCTCA	4540	TGCTGAGGT	4550	CTTCGCCAC	4560	CCCACTTGT
	CGACCTACTA		GGAGTCCG		CCCCTAGAGT		ACGACCTCAA		GAAAGGGGTG		GGGTGAACA
4570	TTAATTCAGC	4580	TTAATAATGCT	4590	TACAAATPAA	4600	GCAATAGCAT	4610	CACAAATTTT	4620	ACAAATPAA
	AATAACGTCG		AATATTACCA		ATGTTATTT		CGTTATCGTA		GTGTTTAAAG		TGTTTATTTT
4630	CAATTTTTTTC	4640	ACTGCATCT	4650	AGTGTGGTT	4660	TGTTCCAAC	4670	CATCAATGTA	4680	TGTTATTCATG
	GTAATAAAG		TGACGTAAGA		TCAACACCA		ACAGGTTTGA		GTAGTTACAT		AGAATAGTAC
4690	TCTGTATACC	4700	GTCGACCTCT	4710	AGCTAGAGCT	4720	TGGCGTAATC	4730	ATGTCATAG	4740	CTGTTTCCTG
	AGACATATGG		CAGCTGAGA		TGCATCTGA		ACCGCATTAG		TACCAGTATC		GACAAAGGAC
4750	TGTGAATTTG	4760	TTATCCGCTC	4770	ACAATTCAC	4780	ACAACATACG	4790	AGCCGGAAGC	4800	ATTAAGTGTA
	ACACTTTAAC		ATTAGGCGAG		TGTTAAGTTC		TGTTGTAATCC		TGCGGCTTCG		TATTTTCACAT

Figure 191
(SEQ ID NO.: 23 - Primary Sequence)
(SEQ ID NO.: 29 - Complement)

PD17-hg1b

4810	4820	4830	4840	4850	4860
AAGCTTGGG	TGCTTAATGA	GTGAGCTAAC	TCACATTAAT	TGCGTGGCG	TGACTGGCCG
TTGGAGACCC	ACGATTAAT	CACTCGATTG	AGTGTAAATTA	ACGCAACGCG	AGTACGGCG
4870	4880	4890	4900	4910	4920
CTTTCCAGTC	GGGAACCTG	TGCTGCCAGC	TGCATTAAATG	AATCGGCCAA	CGCGCGGGA
GAAAGTTCAG	CCCTTTGGAC	AGCACGGTCG	ACGTAATTAC	TTAGCCGGTT	GCGCGCCCT
4930	4940	4950	4960	4970	4980
GAGCGGTTT	GCCTAATTGG	CGCTCTTCCG	CTTCCTCGCT	CACCTGACTCG	CTGCGCTCGG
CTCCGCCAAA	CGCATTAACC	GCGAAGAGGC	GAAAGAGCGA	GTGACTGAGC	GACGCGAGCC
4990	5000	5010	5020	5030	5040
TGCTTCGGCT	GCGGCGAGCG	GTATACAGCTC	ACTCAAGAGC	GCTAATACGG	TTATCCACAG
AGCAAGCCGA	CGCCGCTCGC	CATAGTCGAG	TGAGTTTCCG	CCATTATGCC	AATAGTGTTC
5050	5060	5070	5080	5090	5100
AATCAGGGGA	TAAACGAGGA	AAGAATATGT	GAGCAAAAGG	CCAGCAAAAG	GCCAGGAACC
TTAGTCCCTT	ATTGCGTCTT	TTCTTTTACA	CTCGTTTTC	GGTCTTTC	CGGTCTTGG
5110	5120	5130	5140	5150	5160
GTAAAAAGGC	CGCGTTGCTG	GCGTTTTC	ATAAGCTCCG	CCCCCTGAC	GAGCATCACA
CATTTTTCG	GCGCAACGAC	CGCAAAAGG	TATCCGAGGC	GGGGGGACTG	CTCGTAGTGT
5170	5180	5190	5200	5210	5220
AAAATCGACG	CTCAAGTCAG	AGGTGGCGAA	ACCCGACAGG	ACTATTAAGA	TACCAAGCGT
TTTTAGCTGC	GAGTTCAATC	TCCACCGCTT	TGGGCTGTC	TGATATTCTT	ATGGTCCGCA
5230	5240	5250	5260	5270	5280
TTCCCCCTTG	AAGCTCCCTC	GTGCGCTCTC	CTGTTCCGAC	CTTGGCGCTT	ACCGGATACC
AAGGGGACCC	TTGAGGGAG	CACGCGAGAG	GACAAGGCTG	GGACGGCGAA	TGGCTTATGG
5290	5300	5310	5320	5330	5340
TGTCGCCCTT	TCTCCCTTCG	GGAAGCGTGG	CGCTTCTCA	ATGCTACGCT	TGTAGGTATC
ACAGCGCGAA	AGAGGGAAGC	CCTTCGCACC	GCGAAAGAGT	TACGAGTGG	ACATCCATAG
5350	5360	5370	5380	5390	5400
TCAAGTTCGT	GTAAGTCCTT	CGCTCCAAGC	TGGGCTGTGT	GCACGAACCC	CCCGTTACAG
AGTCAAGCCA	CATCCAGCAA	GCGAGGTTCC	ACCCGACACA	CGTGTCTGGG	GCGCAAGTCC

Figure 19J
(SEQ ID NO.: 23 - Primary Sequence)
(SEQ ID NO.: 29 - Complement)

pD17-hG1b

5410	5420	5430	5440	5450	5460
CCGACCGCTG	CGCCTTATCC	GGTAACATATC	GTCCTGAGTC	CAACCCGGTA	AGACAGACT
GGCTGGCGAC	GGGAATAGG	CCATTGATAG	CAGAACTCAG	GTTGGCCAT	TCTGTGCTGA
5470	5480	5490	5500	5510	5520
TATCGCCACT	GGCAGCAGCC	ACTGTAACA	GGATTAGCAG	AGCAGGTAI	GTAAGCCGTG
ATAGCCGTGA	CCGTCGTGG	TGACCATTTG	CCTAATCGTC	TGCGTCGATA	CATCCGCCAC
5530	5540	5550	5560	5570	5580
CTACAGAGTT	CTTGAAGTGG	TGGCCCTTACT	ACGGCTACAC	TAGAAGACA	GTAATTGGTA
GATGTCCTCA	GAACCTTCACC	ACCGGATTGA	TGCCGATGTG	ATCTTCCTGT	CAATAACCAT
5590	5600	5610	5620	5630	5640
TCTGCCCTCT	GCTGAAGCCA	GTTACCTTTCG	GAAAAAGAGT	TGGTAGCTCT	TGATCCGGCA
AGACGGGAGA	CGACTTCGGT	CAATGGAAGC	CTTTTCTCTCA	ACCATCGAGA	ACTAGGCCGT
5650	5660	5670	5680	5690	5700
AACAACCCAC	CGCTGGTAGC	GGTGGTTTGT	TGTGTTGCCAA	GCAGCAGATT	ACGGCGAGAA
TGTGTTGGTG	GGGACCATCG	CCACCAGAAA	AACAACCTT	CGTCGCTTAA	TGGCGCTCTT
5710	5720	5730	5740	5750	5760
AAAAAGGATC	TCAAGAAGAT	CCTTTGATCT	TTTCTACGGG	GTCTGAGGCT	CAGTGAACG
TTTTTCCTAG	AGTCTTCTTA	GGAACTTGA	AAAGATGCCC	CAGACTGCCA	GTCACCTTGC
5770	5780	5790	5800	5810	5820
AAACCTCAGC	TTAAGGATTT	TTGGTCATGA	GATTATTCAAA	AAGGATCTTC	ACCTAGATCC
TTTTGAGTCC	AATTCCTTAA	AACCACTACT	CTAATAGTTT	TTCTTAGAAG	TGGATCTTAGG
5830	5840	5850	5860	5870	5880
TTTTTAATTA	AAAATGAAGT	TTTTAATCAA	TCTTAAGTAT	ATATGAGTAA	ACTTGGTCTG
AAAATTTAAT	TTTTACTTCA	AAATTTAGTT	AGATTTCATA	TATACTCATT	TGAACACAGAC
5890	5900	5910	5920	5930	5940
ACAGTTAACCA	ATGCTTAATC	AGTGAGGCAC	CTATCTCAGC	GATCTGTCTA	TTTCGTTTCAT
TGTCATATGCT	TACGAATTAG	TCACTCCGTG	GATAGAGTCG	CTAGACAGAT	AAAGCAAGTA
5950	5960	5970	5980	5990	6000
CCATAGTTGC	CTGACTCCCC	GTCGTGTAGA	TAACTACGAT	ACGGAGAGGC	TTTACCATCTG
GGTATCAACG	GACTGAGGGG	CAGCACATCT	ATTGATGCTA	TGCCCTCCCG	AATGCTTAGAC

Figure 19K
(SEQ ID NO.: 23 - Primary Sequence)
(SEQ ID NO.: 29 - Complement)

pd17-hG1b

6010	6020	6030	6040	6050	6060
GCCCCAGTGC	TGCCATGATA	CCGCGAGACC	CACGCTCACC	GGCTCCAGAT	TTATTCAGCAA
CGGGGTACAG	ACGTACTAT	GGCGCTCTGG	GTGCGAGTGG	CCGAGTCTTA	AATAGTCGTT
6070	6080	6090	6100	6110	6120
TAAACCAAGCC	AGCCGGAAGG	GCCGAGCGCA	GAAGTGTCC	TGCAACTTTA	TCCGCTTCCA
ATTGTCGCG	TGCGCTTCC	CGGCTCGCGT	CTTCACCAGG	ACGTTGAAT	AGCGGAGGT
6130	6140	6150	6160	6170	6180
TCCAGTCTAT	TAAATTGTTG	CGGGAAGCTA	GAGTAAGTAG	TTCCGCCAGTT	AATAGTTTGC
AGGTCAGATA	ATTACACAAG	GCCCTTCGAT	CTCATTCATC	AAGCGTCAA	TTATCAACG
6190	6200	6210	6220	6230	6240
GCAACGTTGT	TGCCATTGCT	ACAGGCATCG	TGGTGTACAG	CTCGTCTTT	GGTATGGCTT
CGTTGCAACA	ACGGTAACGA	TGTCCGTAGC	ACCACAGTGC	GAGAGCAAN	CCATACCGBA
6250	6260	6270	6280	6290	6300
CATTACGCTC	CGGTTCCCAA	CGATCAAGGC	GAGTACATG	ATCCGCCATG	TTGTGCAAAA
GTAAGTCGAG	GCCAAAGGTT	GCTAGTCCG	CTCAATGTAC	TAGGGGTPAC	AACACGTTTT
6310	6320	6330	6340	6350	6360
AAGCGGTTAG	CTCCCTTCGT	CCCTCCGATCG	TTGTCAAGAG	TAAAGTTGGCC	GCAGTGTAT
TTCCGCAATC	GAGGAAGCCA	GGAGGCTAGC	AACAGTCTTC	ATTCAACCGG	CGTCACAATA
6370	6380	6390	6400	6410	6420
CACTCATGGT	TATGCGACGA	CTGCATTAAT	CTCTTACTGT	CATGCCATCG	GTAAGATGCT
GTGAGTACCA	ATACCGTCTG	GACGTATTTA	GAGAAAGACA	GTAACGTPAG	CATTCTACGA
6430	6440	6450	6460	6470	6480
TTTCTGTGAC	TGGTGAGTAC	TCAACCAAGT	CATTCTGAGA	ATAGTGTATG	CGGCGACCGA
AAAGACACTG	ACCACCTCATG	AGTGTGTCA	GTAAGACTCT	TATCACAATAC	GCCGCTGGCT
6490	6500	6510	6520	6530	6540
GTTGCTCTTG	CCCCGGCGTCA	ATACGGGATA	ATACCGCGCC	ACATAGCAGA	ACTTTAAAG
CAACGAGAAC	GGGCGCGAGT	TATGCCCTAT	TATGCGCGCG	TGTTATCTCT	TGAAATTTTC
6550	6560	6570	6580	6590	6600
TGCTCATCAT	TGGAAAACGT	TCTTCGGGGC	GAAAACCTTC	AAGAGTCTTA	CCGCTGTTGA
ACGAGTACGA	ACCTTTGCA	AGAAAGCCCG	CTTTGAGAG	TTCTTAGAAT	GCGGACAACT

Figure 19L
(SEQ ID NO.: 23 - Primary Sequence)
(SEQ ID NO.: 29 - Complement)

pd17-hg1b

6610	6620	6630	6640	6650	6660
GATCCAGTTC	GATGTAACCC	ACTCGTCAC	CCAAGTATC	TTGAGCAATCT	TTTACTTTTCA
CTAGGTCAAG	CTACATYGGG	TGAGCAGGTG	GGTTGACTAG	AAGTCGTAGA	AAATGAAGT
6670	6680	6690	6700	6710	6720
CCAGCGTTTC	TGGGTGAGCA	AAAACAGGAA	GGCAAAATGC	CGCAAAAAG	GGAATPAGGG
GGTCGCAAG	ACCCACTCGT	TTTGTCTCT	CCGTTTACG	GGCTTTTTC	CCTTATTTCC
6730	6740	6750	6760	6770	6780
CGACACGGAA	ATGTTGAATA	CTCATCTCT	TCCCTTTTCA	ATATTAATGA	AGCAATTTATC
GCTGTGCTT	TACAACTTAT	GAGTATGAGA	AGGAAAAAGT	TATTAATTAAT	TCCGTAATAG
6790	6800	6810	6820	6830	6840
AGGCTTATTC	TCTCATGAGC	GGATACATAT	TTGAATGTAT	TTAGAAAAAT	AAACAAATAG
TCCCAATPAC	AGAGTACTCG	CCTATGTATA	AACCTTACATA	AATCTTTTTA	TTTGTTTATC
6850	6860	6870	6880	6890	6900
GGGTTCGCG	CACATTTCCC	CGAAAAGTGC	CACCTGACGT	CGACGGATCG	GGAGATCTGC
CCCAAGGCGC	GTCGTAAGGG	GCTTTTCACG	GTGACTGCA	GCTGCCTAGC	CCTCTAGACG
6910	6920	6930	6940	6950	6960
TAGGTGACCT	GAGGCGCGCC	GGCTTCGAAT	AGCCAGAGTA	ACCTTTTCTT	TTAATTTTAT
ATCCACTGGA	CTCCGCGCGG	CCGAAGCTTA	TCCGCTTCAT	TGGAAAAAAA	AATTAATAATA
6970	6980	6990	7000	7010	7020
TTTTATTTTAT	TTTTGAGATG	GAGTTTGGCG	CCGATCTCCC	GATCCCCCTAT	GGTCGACTCT
AAATTAATAATA	AAAACTCTAC	CTCAAAACCG	GGCTAGAGGG	CTAGGGGATTA	CCAGCTGAGA
7030	7040	7050	7060	7070	7080
CAGTACAATC	TGCTCTGATG	CCGCATAGTT	AAGCCAGTAT	CTGTCTCTG	CTGTGTGTGT
GTCATGTTAG	ACGAGACTAC	GGCGTATCAA	TTCGGTCATA	GACGAGGAGC	GATCACAACA
7090	7100	7110	7120	7130	7140
GGAGTTCGCT	GAGTACGCG	CGAGCAAAAT	TTAAGCTTACA	ACAAGGCAAG	GCTTGACCGA
CCTCCAGCGA	CTCATACAGC	GCTCGTTTTA	AATTCGATGT	TGTTCCGTTT	CGAATGGCT
7150	7160	7170	7180	7190	7200
CAATTCATG	AAGAACTTCG	TTAGGGTTAG	GGCTTTTGG	CTGCTTCGCG	ATGTACGGGC
GTTAACGTAC	TTCCTTAGACG	AATCCCAATC	CGCAAAAACG	GACGAAAGCG	TACATGCCCG

Figure 19M
(SEQ ID NO.: 23 - Primary Sequence)
(SEQ ID NO.: 29 - Complement)

pD17-hG1b

7210	7220	7230	7240	7250	7260
CAGATATACG	CGTGACATTT	GATTAATTGC	TAGTTATTAA	TAGTAATCAA	TTACGGGGTC
GTCATATATGC	GCAACTGTAA	CTAATTAACCTG	ATCAATTAATT	ATCATTAAGTT	AATGCCCCAG
7270	7280	7290	7300	7310	7320
ATTAGTTCAT	AGCCCATATA	TGGAGTTCCG	CGTTACATPA	CTTACGGTAA	ATGCCCCGGC
TAATCAAGTA	TCGGGTATAT	ACCTCAAGGC	GCAATGTATT	GAATGCCATT	TACCGGGCGG
7330	7340	7350	7360	7370	7380
TGGCTGACCG	CCCACGACC	CCCCGCCATT	GACGTCAATA	ATGACGTATG	TTCCCATAGT
ACCGACTTGC	GGGTGCTGG	GGCGGGTAA	CTGCAGTTAT	TACTGCATAC	AAGGGTATCA
7390	7400	7410	7420	7430	7440
AACGCCAATA	GGGACTTTC	ATTGACGTCA	ATGGGTGGAC	TATTTACGGT	AAACTGCCCA
TTGCGGTAT	CCCTGAAGG	TAACTGCAGT	TACCCACCTG	ATAAATGCCA	TTTGACGGGT
7450	7460	7470	7480	7490	7500
CTTGGCAGTA	CATCAAGTGT	ATCATATAGCC	AAGTACGCCC	CCPATTTGACG	TCAATGACGG
GAACCGTCAT	GTAATTACA	TAGTATACGG	TTTCATGCGGG	GGATTAACCTGC	AGTTACTGCC
7510	7520	7530	7540	7550	7560
TAAATGGCCC	GCCTGGCATT	ATGCCAGTA	CATGACCCTTA	TGGGACTTTG	CTACTTGCA
ATTTACC	CGGACCGTAA	TACGGGTAT	GTA	CTGGAAT	ACCTGAAG
7570	7580	7590	7600	7610	7620
GTAATCTTAC	GTAATTAGTCA	TCGGTATTAC	CATGTGATG	CGGTTTGGG	AGTACATCAA
CATGTAGATG	CATTAATCAGT	AGCGATAATG	GTACCACTAC	GCCAAAACCG	TCAATGTAGTT
7630	7640	7650	7660	7670	7680
TGGGCGTGA	TACCGGTTTG	ACTCACGGGG	ATTTCCAAGT	CTCCACCCCA	TTGACGTCAA
ACCGCACCT	ATCGCCAAAC	TGAGTGCCCC	TAAAGGTTCA	GAGGTGGGGT	AAC
7690	7700	7710	7720	7730	7740
TGGGAGTTTG	TTTTGGCACC	AAAATCAACG	GGA	CTTCCA	ACAAC
ACCTCAAC	AAAACCGTGG	TTTTAGTTGC	CCTGA	AAAGT	TTTACAGCAT
7750	7760	7770	7780	7790	7800
CCCATTTGACG	CAATGCGCG	GTAAGCGGT	ACGGTGGAG	GTCATATATA	GCAGAGCTCT
GGGTAACTGC	CTTACCCCGC	CATCCGCACA	TGCCACCCITC	CAGATATATT	CGTCTCGAGA

Figure 19N
(SEQ ID NO.: 23 - Primary Sequence)
(SEQ ID NO.: 29 - Complement)

PD17-hG1b

7810	7820	7830	7840	7850	7860
CTGGCTTACT	AGAGAACCCA	CTGCTTACTG	GCTTATCGAA	ATTATATAGA	CTCAGTATAG
GACCGATTGA	TCTCTGGGT	GACGAATGAC	CGAATAGCTT	TAAATATGCT	GAGTGATATC
7870	7880				
GGAGACCCAA	GCCT				
CCTCTGGGT	CGAA				

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